

CLAIMS

What is claimed is:

- 1 ~~1. A method of notifying clients of a change in a system comprising:~~
2 ~~a client requesting notification of the change in the system;~~
3 ~~detecting the change in the system; and~~
4 ~~notifying the client requesting notification that the change in the system occurred.~~
- 1 2. The method of claim 1 further comprising:
maintaining a list of requests for notification.
- 3 3. The method of claim 1 further comprising:
the client terminating a request for notification.
- 4 4. The method of claim 2 further comprising:
the client terminating a request for notification;
and removing a request corresponding to the client from the list of requests for
notification.
- 1 5. The method of claim 1 wherein:
2 the change in the system is connection of a device.
- 1 6. The method of claim 1 wherein:
2 the change in the system is disconnection of a device.

1 7. The method of claim 1 wherein

2 said requesting includes the client supplying a callback routine; and

3 said notifying includes executing the callback routine.

1 8. A subsystem for notifying clients of a change in a system comprising:

2 means for a client to request notification of the change in the system;

3 means for detecting the change in the system; and

4 means for notifying the client requesting notification that the change in the
5 system occurred.

6 9. The subsystem of claim 8 further comprising:

7 means for maintaining a list of requests for notification.

1 10. The subsystem of claim 9 further comprising:

2 means for the client to terminate a request for notification; and

3 means for removing a request corresponding to the client from the list of requests
4 for notification.

1 11. The subsystem of claim 10 further comprising:

2 means for communication to the client; and

3 wherein:

4 the client supplies the means for communication; and

5 the means for communication is utilized by the means for notifying.

1 12. A machine-readable medium containing a plurality of executable instructions,
2 which when executed on a processor cause said processor to perform a method of
3 notifying clients of a change in a system, the method comprising:

4 a client requesting notification of the change in the system;
5 detecting the change in the system; and
6 notifying the client requesting notification that the change in the system occurred.

1 13. The machine-readable medium of claim 12 wherein the method further
2 comprises:

3 maintaining a list of requests for notification.

1 14. The machine-readable medium of claim 13 wherein the method further
2 comprises:

3 the client terminating a request for notification;
4 and removing a request corresponding to the client from the list of requests for
5 notification.

1 15. The machine-readable medium of claim 14 wherein:
2 said requesting includes the client supplying a callback routine; and
3 said notifying includes executing the callback routine.

1 16. A system comprising:
2 a processor;
3 a memory;
4 a bus, the bus coupled to the processor, the bus coupled to the memory; and
5 the processor processing a request by a client for notification of a change in the
6 system, the processor detecting the change in the system, and the processor notifying
7 the client that the change in the system has occurred.

1 17. The system of claim 16 wherein:
2 the processor maintains a list of requests for notification.

1 18. The system of claim 17 wherein:
2 the processor stores the list of requests in memory.

1 19. The system of claim 17 wherein:
2 the processor processes the client's termination of a request for notification by
3 removing a request corresponding to the client from the list of requests for notification.

1 20. The system of claim 19 wherein:
2 the processor receives a callback routine from the client when the client requests
3 notification and the processor notifies the client by executing the callback routine.

1 21. A method of notifying clients of a change in a USB comprising:
2 a first client requesting notification of a first change in the USB;
3 detecting the first change in the USB; and
4 notifying the first client requesting notification that the first change in the USB
5 occurred.

1 22. The method of claim 21 wherein:
2 the change is connection of a device to the USB;
3 and further comprising:
4 finding a driver suitable for use with the device.

1 23. The method of claim 21 wherein:
2 the change is disconnection of a device from the USB;
3 and further comprising:
4 deactivating a driver corresponding to the device.

1 24. The method of claim 21 further comprising:
2 a second client requesting notification of a second change in the USB;
3 detecting the second change in the USB; and
4 notifying the second client requesting notification that the second change in the
5 USB occurred.

1 25. The method of claim 24 wherein:
2 a change in the USB constitutes a first change and constitutes a second change.

- 1 26. The method of claim 24 wherein:
- 2 a change in the USB that constitutes a first change does not constitute a second
- 3 change.

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